

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

original
 divisional
 continuation
 continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"*ACTIVELY-CONTROLLED ELECTROSTATIC CHUCK HEATER*"

SPECIFICATION IDENTIFICATION

The specification of which:

is attached hereto
 was filed on 5-4-2020 under Serial No. 09/565,199, executed on even date herewith; or
 Express Mail No. as Serial No. not yet known)
and was amended on _____ (if applicable)
 was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §121, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

No such applications have been filed
 Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented Pending</u>	<u>Status</u>	<u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Joseph Bach	Registration No. 37,771
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Sarah J. Brashears	Registration No. 37,087
Raymond Moser Jr.	Registration No. 34,682
Keith M. Tackett	Registration No. 32,008
Gero G. McClellan	Registration No. 44,227
B. TODD PATTERSON	Registration No. 37,906

Send correspondence to:

Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
3050 Bowers Avenue
Santa Clara, CA 95054.

Direct telephone calls to:

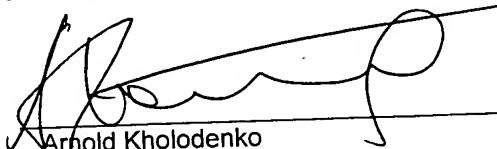
B. TODD PATTERSON
713-623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Signed on this
30 day of May, 2000

Inventor:



Arnold Kholodenko

Address: 1747 Eucalyptus Drive
San Francisco, CA 94132
United States of America

Citizenship: USA

Signed on this
____ day of _____, 2000

Inventor:

Signed Separate Document
Senh Thach
Address: 32258 Jean Drive
Union City, CA 94587
United States of America
Citizenship: USA

Signed on this
30 day of MAY, 2000

Inventor:

DG
Dennis Grimard
Address: 511 Liberty Pointe
Ann Arbor, MI 48103
United States of America
Citizenship: USA

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses

of Inventors:

- 1) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, CA 94132
- 2) Senh Thach
32257 Jean Drive
Union City, CA 94587
- 3) Dennis Grimard
511 Liberty Pointe
Ann Arbor, MI 48103

(hereinafter referred to as Assignors), have invented a certain invention entitled:

ACTIVELY-CONTROLLED ELECTROSTATIC CHUCK HEATER

for which application for Letters Patent in the United States was filed on 5-4-2000 under
Serial No. 09/565,199, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in

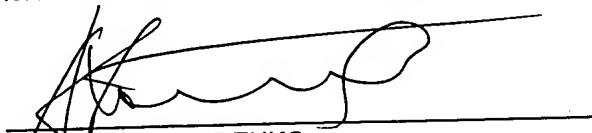
any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 5/30, 2000



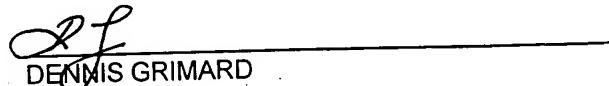
ARNOLD KHOLODENKO

2) , 2000



SENH THACH

3) 5-30, 2000



DENNIS GRIMARD

RECORDATION FORM COVER SHEET

PATENTS ONLY

Tab settings ➡ ➡ ➡

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Arnold Kholodenko
Senh Thach
Dennis Grimard5/3/2000
5/3/2000
- No SignatureAdditional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: See Above

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 5/4/2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent CounselInternal Address: Applied Materials, Inc.Street Address: P.O. Box 450ACity: Santa Clara State: CA ZIP: 950526. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account

8. Deposit account number:

50-1074

DO NOT USE THIS SPACE.

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert W. Mulcahy

Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

Signature

3

Date

5/4/00

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses

of Inventors:

- 1) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, CA 94132
- 2) Senh Thach
32257 Jean Drive
Union City, CA 94587
- 3) Dennis Grimard
511 Liberty Pointe
Ann Arbor, MI 48103

(hereinafter referred to as Assignors), have invented a certain invention entitled:

ACTIVELY-CONTROLLED ELECTROSTATIC CHUCK HEATER

for which application for Letters Patent in the United States was executed on even date
herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed

necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 5 / 2, 2000

Arnold Kholodenko
ARNOLD KHOLODENKO

2) 5 / 3, 2000

Senithach
SENH THACH

3) _____, 2000

Dennis Grimard
DENNIS GRIMARD

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- original
- divisional
- continuation
- continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

ACTIVELY-CONTROLLED ELECTROSTATIC CHUCK HEATER

SPECIFICATION IDENTIFICATION

The specification of which:

- is attached hereto
- was filed on _____, under Serial No. _____, executed on even date herewith; or
 - Express Mail No. _____ (as Serial No. not yet known)
 - and was amended on _____ (if applicable)
- was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____

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I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any

foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)
UNDER 35 U.S.C. §120**

I hereby claim benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

**PRIOR U.S. APPLICATION(S) FOR WHICH BENEFIT
UNDER 35 U.S.C. § 120 IS CLAIMED**

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041	Robert W. Mulcahy	Registration No. 25,436
Donald Verplancken	Registration No. 33,217	Raymond R. Moser Jr.	Registration No. 34,682
Lawrence Edelman	Registration No. 25,226	B. Todd Patterson	Registration No. 37,906
Michael Einschlag	Registration No. 29,301	Joseph Pagnotta	Registration No. 39,322
Raymond Kam-on Kwong	Registration No. 37,165	Keith Tackett	Registration No. 32,008
James C. Wilson	Registration No. 35,412		
Peter J. Sgarbossa	Registration No. 25,610		

Send correspondence to:

PATENT COUNSEL
 Legal Affairs Dept.
 Applied Materials, Inc.
 P.O. BOX 450A
 Santa Clara, CA 95052
 FAX: 408-986-3090

Direct telephone calls to:

Joseph Pagnotta
 732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Arnold Kholodenko

Inventor's signature: Arnold Kholodenko Date: 5/3/00

Residence: 1747 Eucalyptus Drive, San Francisco, CA 94132

Post Office Address: same as above

Country of Citizenship: USA

Full name of second inventor: Senh Thach

Inventor's signature: Senh Thach Date: 5-3-00

Residence: 32257 Jean Drive, Union City, CA 94587

Post Office Address: same as above

Country of Citizenship: USA

Full name of third inventor: Dennis Grimard

Inventor's signature: _____ Date: _____

Residence: 511 Liberty Pointe, Ann Arbor, MI 48103

Post Office Address: same as above

Country of Citizenship: USA

Full name of fourth inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

Country of Citizenship:

Full name of **fifth** inventor:

Date: _____

Inventor's signature: _____

Residence:

Post Office Address:

Country of Citizenship: _____

Full name of **sixth** inventor:

Date: _____

Inventor's signature: _____

Residence:

Post Office Address:

Country of Citizenship: _____

Full name of **seventh** inventor:

Date: _____

Inventor's signature: _____

Residence:

Post Office Address:

Country of Citizenship: _____

Full name of **eighth** inventor:

Date: _____

Inventor's signature: _____

Residence:

Post Office Address:

Country of Citizenship: _____